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|          | L66                | 165 and ((document or documents) with (intra-document or intra-documents or (intra adj 1 document) or (intra adj 1 documents)))  | 4                   |
|          | L65                | (142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162) and (120 or 121 or 122 or 123 or 124 or 125 or 126 or 127 or 128 or 129 or 135 or 136 or 137 or 138) | 643                 |
|          | L64                | (142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162) and 162  | 81                  |
|          | L63                | (142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162) and 131  | 0                   |
| <u>.</u> | L62                | ((document or documents) with (intra-document or intra-documents or (intra adj1 document) or (intra adj1 documents)))  | 81                  |
|          | L61                | "image anywhere server"  | 0                   |
|          | L60                | 715/804.ccls.  | 469                 |
|          | L59                | 715/803.ccls.  | 224                 |
|          | L58                | 715/830.ccls.  | 59                  |
|          | L57                | 715/786.ccls.  | 171                 |
|          | L56                | 715/784.ccls.  | 275                 |
|          | L55                | 715/747.ccls.  | 180                 |
|          | L54                | 715/779.ccls.  | 145                 |
|          | L53                | 715/762.ccls.  | 506                 |
|          | L52                | 715/754.ccls.  | 21                  |
|          | L51                | 715/740.ccls.  | 148                 |
|          | L50                | 715/737.ccls.  | 42                  |
|          | L49                | 715/526.ccls.  | 647                 |
|          | L48                | 715/500.ccls.  | 1241                |
|          | L47                | 345/2.3.ccls.  | 68                  |
|          | L46                | 345/599.ccls.  | 26                  |
|          | L45                | 709/203.ccls.  | 6916                |
| $\Box$   | L44                | 709/201.ccls.  | 2233                |
|          | L43                | 707/104.1.ccls.  | 5496                |
| $\Box$   | L42                | 707/10.ccls.   | 6251                |
|          | L41                | L40 and ((document or documents) with (intra-document or intra-documents or  | 0                   |

|           |     | (intra adj 1 document) or (intra adj 1 documents)))   |       |
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| $\square$ | L40 | (135 or 136 or 137 or 138) and ((split\$ or separat\$ or composite) near image\$)   | 18    |
|           | DB= | USPT; PLUR=NO; OP=OR  |       |
|           | L39 | (135 or 136 or 137 or 138) and ((split\$ or separat\$ or composite) near image\$)   | 5     |
|           | DB= | *PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR   |       |
|           | L38 | (client\$ adj1 side).ti.  | 540   |
| $\Box$    | L37 | (client\$ adj1 side).ab.  | 2953  |
|           | L36 | (user\$ adj1 side).ab.  | 4837  |
|           | L35 | (user\$ adj1 side).ti.  | 359   |
|           | L34 | (L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29) and ((split\$ or separat\$ or composite) near image\$)                           | 86    |
|           | L33 | (L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29) and L32  | 1     |
|           | L32 | split-bar   | 12    |
|           | L31 | (document with (view\$ or display\$ or imag\$) with server\$ with split-bar)  | 1     |
|           | L30 | (L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29) and (document with (view\$ or display\$ or imag\$) with server\$ with split-bar) | 0     |
|           | L29 | (client adj 1 device\$).ti.   | 1452  |
|           | L28 | (client adj 1 device\$).ab.   | 5788  |
| $\square$ | L27 | (wireless adj l device\$).ti.   | 2894  |
|           | L26 | (wireless adj1 device\$).tti.   | 0.    |
|           | L25 | (wireless adj 1 device\$).ab.   | 6755  |
|           | L24 | (handheld adj1 device\$).ab.  | 2668  |
|           | L23 | (handheld adj1 device\$).ti.  | 707   |
|           | L22 | (handheld adj 1 device\$).ti.   | 707   |
|           | L21 | (pda or (personal adj1 digital adj1 assistant)).ab.   | 50850 |
|           | L20 | (pda or (personal adjl digital adjl assistant)).ti.   | 8860  |
|           | L19 | L18 and (pda or (personal adj1 digital adj1 assistant)).ti.   | 0     |
|           | L18 | 20050086259.pn.   | 2     |
|           | L17 | L15 and (client adj1 side).ab.  | 28    |
|           | L16 | L15 and (client adj1 side).ti.  | 11    |
|           | L15 | (server near (view\$ or display\$ or interfac\$ or imag\$) near client\$)   | 1205  |
|           | L14 | (image near anyware near server\$)  | 0     |
|           | DB= | PGPB,USPT; PLUR=NO; OP=OR   |       |
|           | L13 | L8 and server\$   | 10    |
|           | L12 | (server with ((split adj 1 bar) or split-bar))  | 1     |
|           | L11 | (server near ((split adj 1 bar) or split-bar))  | 0     |
|           | L10 | L8 and (client-side or (client adj1 side))  | 3     |
|           | L9  | (L3 or L4 or L5 or L6) and viewpoint  | 22    |
|           | L8  | ((split adj 1 bar) or split-bar)  | 93    |
|           |     |   |       |

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1
     L7 (L3 or L4 or L5 or L6) and ((split adj1 bar) or split-bar)
L6 (client-side or (client adj 1 side)).ti.
                                                                                     156
L5 (client-side or (client adj 1 side)).ab.
                                                                                     701
     DB=USPT; PLUR=NO; OP=OR
L4 L1 and (client-side or (client adj1 side)).ab.
                                                                                      14
L3 L1 and (client-side or (client adj1 side)).ti.
                                                                                       4
L2 L1 and ((server or servers) near (document or documents))
                                                                                      27
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290
          6021418 6069622 6173316 6232966 6247012 6272493 6313854 6317781
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          (5742829 5745879 5745901 5768511 5774656 5781725 5801941 5819091
          5818446 5831610 5838321 5873086 5893079 5905884 5911068 5950172
          6067578 6073161 6073103 6094674 6101484 6151606 6192379 6199108
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          5926816 5974547 6018619 6098092 6128668 6128021 6133913 5633999
          5720036 5734835 5799147 5852713 5884056 5918013 5928324 5956509
          5991781 6014671 6026474 6034689 6047317 6073168 6076104 6128662
          6144996 6144972 6192393 6192477 6195695 6223306 6223306 5544318
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> Sheau-Ru Tong; Sho-Chi Lee; Multimedia, IEEE Transactions on Volume 5, Issue 3, Sept. 2003 Page(s):403 - 415 Digital Object Identifier 10.1109/TMM.2003.813272

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Harald Weinreich, Hartmut Obendorf, Winfried Lamersdorf

September 2001 Proceedings of the twelfth ACM conference on Hypertext and Hypermedia

Publisher: ACM Press

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Additional Information: full citation, abstract, references, citings, index

terms

The design of hypertext systems has been subject to intense research. Apparently, one topic was mostly neglected: how to visualize and interact with link markers.

This paper presents an overview of pragmatic historical approaches, and discusses problems evolving from sophisticated hypertext linking features. Blending the potential of an XLink-enhanced Web with old ideas and recent GUI techniques, a vision for browser link interfaces of the future is being developed. We hope to stimula ...

Keywords: Web, XLink, distributed hypertext, link marker, user interface

iWeaver towards 'learning style'-based e-learning in computer science education Christian Wolf

January 2003 Proceedings of the fifth Australasian conference on Computing education - Volume 20 ACE '03

Publisher: Australian Computer Society, Inc.

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Although learning style theory is widely accepted amongst educational theorists in the context of traditional classroom environments, there is still little research on the adaptation to individual styles in an e-learning environment. In particular the possibility of fluctuations in a learning style with changing tasks or content has not yet been addressed. The described PhD project named iWeaver was designed to provide a flexible, yet manageable environment for the learner by implementing ...

Keywords: adaptive hypermedia, adaptive learning, e-learning, individual learning styles, learner modelling, learner-centred design, multimedia learning, user modelling

10/680/HW

Teach++: a cooperative distance learning and teaching environment Maria Barra, Giuseppe Cattaneo, Umberto Ferraro Petrillo, Vincenzo Garofalo, Claudia Rossi,



Vittorio Scarano

March 2000 Proceedings of the 2000 ACM symposium on Applied computing - Volume

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A distributed architecture for programming environments



Dominique Clément

October 1990 ACM SIGSOFT Software Engineering Notes, Proceedings of the fourth ACM SIGSOFT symposium on Software development environments SDE

4, Volume 15 Issue 6

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Programming environments are typically based on concepts, such as syntax and semantics, and they provide functionalities, such as parsing, editing, type-checking, and compiling. Most existing programming environments are designed in a fully integrated manner, where parsers, editors, and semantic tools are tightly coupled. This leads to systems that are the sum of all their components, with obvious implications in terms of size, reusability, and maintainability. In this paper, we present a p ...

<sup>5</sup> A fragment-based approach for efficiently creating dynamic web content Jim Challenger, Paul Dantzig, Arun Iyengar, Karen Witting



May 2005 ACM Transactions on Internet Technology (TOIT), Volume 5 Issue 2 Publisher: ACM Press

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This article presents a publishing system for efficiently creating dynamic Web content. Complex Web pages are constructed from simpler fragments. Fragments may recursively embed other fragments. Relationships between Web pages and fragments are represented by object dependence graphs. We present algorithms for efficiently detecting and updating Web pages affected after one or more fragments change. We also present algorithms for publishing sets of Web pages consistently; different algorithms are ...

Keywords: Caching, Web, Web performance, dynamic content, fragments, publishing

A framework for dynamic program analyzers



Bernd Bruegge, Tim Gottschalk, Bin Luo

October 1993 ACM SIGPLAN Notices, Proceedings of the eighth annual conference on Object-oriented programming systems, languages, and applications OOPSLA '93, Volume 28 Issue 10

Publisher: ACM Press

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7 A parallel hill climbing algorithm for pushing dependent data in clients-providersservers systems



Francisco Javier Ovalle-Martínez, Julio Solano González, Ivan Stojmenović August 2004 Mobile Networks and Applications, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(169.94 KB) Additional Information: full citation, abstract, references, index terms

The up-link bandwidth in satellite networks and in advanced traffic wireless information system is very limited. A server broadcasts data files provided by different independent providers and accessed by many clients in a round-robin manner. The clients who access these files may have different patterns of access. Some clients may wish to access several files in any order (AND), some wish to access one out of several files (OR), and some clients may access a second file only after accessing anot ...

Keywords: data broadcasting, hill climbing algorithms

A patent search and classification system

Leah S. Larkey

August 1999 Proceedings of the fourth ACM conference on Digital libraries

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Full text available: pdf(164.37 KG) Additional Information: full citation, references, citings, index terms

Keywords: applications, classification, digital libraries, information retrieval, patents, systems, text categorization

A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann August 1986 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 8 Issue 4

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(6.32 MB)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

Abstracts of the 1990 International Conference on Computer Languages Proceedings

SIGPLAN Notices staff

November 1990 ACM SIGPLAN Notices, Volume 25 Issue 11

Publisher: ACM Press

Full text available: pdf(762.02 K9) Additional Information: full citation

11 Access to graphical interfaces for blind users

W. Keith Edwards, Elizabeth D. Mynatt, Kathryn Stockton January 1995 interactions, Volume 2 Issue 1

Publisher: ACM Press

Additional Information: full citation, references, citings, index terms, Full text available: pdf(1.76 M8) review

12 Active Proxy-G: optimizing the query execution process in the grid

Henrique Andrade, Tahsin Kurc, Alan Sussman, Joel Saltz

November 2002 Proceedings of the 2002 ACM/IEEE conference on Supercomputing

**Publisher: IEEE Computer Society Press** 

Full text available: pdf(247.81 KB) Additional Information: full citation, abstract, references, index terms

The Grid environment facilitates collaborative work and allows many users to query and process data over geographically dispersed data repositories. Over the past several years, there has been a growing interest in developing applications that interactively analyze datasets, potentially in a collaborative setting. We describe the Active Proxy-G service that is able to cache query results, use those results for answering new incoming queries, generate subqueries for the parts of a query that cann ...

13 Activity-based computing: support for mobility and collaboration in ubiquitous computing



E. Bardram

September 2005 Personal and Ubiquitous Computing, Volume 9 Issue 5

Publisher: Springer-Verlag

Full text available: pdf(412.31 KB) Additional Information: full citation, abstract

This paper presents the design philosophy of activity-based computing (ABC), which addresses mobility and cooperation in human work activities. Furthermore, it presents the ABC framework, which is a ubiquitous computing infrastructure supporting ABC. The idea of ABC and the aim of the ABC framework is to: (1) support human activity by managing its collection of work tasks on a computer, (2) support mobility by distributing activities across heterogeneous computing environments, (3) suppor ...

Keywords: Activity-based computing, Computer supported cooperative work, Contextaware computing, Pervasive healthcare, State management, Ubiquitous computing

14 Adapitivity & mobility: Image classification for mobile web browsing



Takuya Maekawa, Takahiro Hara, Shojiro Nishio

May 2006 Proceedings of the 15th international conference on World Wide Web **WWW '06** 

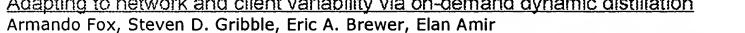
Publisher: ACM Press

Full text available: pdf(3.31 MB) Additional Information: full citation, abstract, references, index terms

It is difficult for users of mobile devices such as cellular phones equipped with a small screen and a poor input interface to browse Web pages designed for desktop PCs with large displays. Many studies and commercial products have tried to solve this problem. Web pages include images that have various roles such as site menus, line headers for itemization, and page titles. However, most studies of mobile Web browsing haven't paid much attention to the roles of Web images. In this paper, we defi ...

**Keywords**: mobile computing, web browsing, web images

15 Adapting to network and client variability via on-demand dynamic distillation



October 1996 ACM SIGOPS Operating Systems Review, ACM SIGPLAN Notices, Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-

VII, Volume 30, 31 Issue 5, 9

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.64 MB)

The explosive growth of the Internet and the proliferation of smart cellular phones and handheld wireless devices is widening an already large gap between Internet clients. Clients vary in their hardware resources, software sophistication, and quality of connectivity, yet server support for client variation ranges from relatively poor to none at all. In this paper we introduce some design principles that we believe are fundamental to providing "meaningful" Internet access for the entire range of ...

16 An experimental multimedia mail system





Jonathan B. Postel, Gregory G. Finn, Alan R. Katz, Joyce K. Reynolds January 1988 ACM Transactions on Information Systems (TOIS), Volume 6 Issue 1

Publisher: ACM Press

Full text available: pdf(1.50 MB)

Additional Information: full citation, abstract, references, index terms, review

A computer-based experimental multimedia mail system that allows the user to read, create, edit, send, and receive messages containing text, images, and voice is discussed.

17 An Internet-based negotiation server for e-commerce

Stanley Y.W. Su, Chunbo Huang, Joachim Hammer, Yihua Huang, Haifei Li, Liu Wang, Youzhong Liu, Charnyote Pluempitiwiriyawej, Minsoo Lee, Herman Lam

August 2001 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(355.19 KB) Additional Information: full citation, abstract, citings, index terms

This paper describes the design and implementation of a replicable, Internet-based negotiation server for conducting bargaining-type negotiations between enterprises involved in e-commerce and e-business. Enterprises can be buyers and sellers of products/services or participants of a complex supply chain engaged in purchasing, planning, and scheduling. Multiple copies of our server can be installed to complement the services of Web servers. Each enterprise can install or select a trusted negotia ...

Keywords: Constraint evaluation, Cost- benefit analysis, Database, E-commerce, Negotiation policy and strategy, Negotiation protocol

18 An overview of portable GUI software



Wade Guthrie

January 1995 ACM SIGCHI Bulletin, Volume 27 Issue 1

Publisher: ACM Press

Full text available: pdf(1.90 MB)

Additional Information: full citation, abstract, index terms

This article attempts to bring together as much information as possible concerning platform-independent Graphical User Interface (PIGUI) development kits. It is based on a FAQ list (answers to Frequently Answered Questions) maintained and periodically updated as a service to the net by the author. What is presented here is a number of tables summarizing available PIGUI's, followed by descriptions of the individual products, with reviews and users' comments where possible.

19 An RTP-based synchronized hypermedia live lecture system for distance education





Herng-Yow Chen, Yen-Tsung Chia, Gin-Yi Chen, Jen-Shin Hong October 1999 Proceedings of the seventh ACM international conference on Multimedia (Part 1)

Publisher: ACM Press

Full text available: pdf(930 85 KB) Additional Information: full citation, abstract, references, index terms

In this article, we have introduced a "Live Synchronized Hypermedia Live Lecture (SHLL) System" using RTP to synchronize the live presentation of streaming video lecture, HTMLbased lecture notes, and HTML page Navigation Events. The SHLL framework consists of three major modules: (1) SHLL Recorder- for recording the temporal information of the AV lecture and the HTML-based lecture notes navigation processes. (2) SHLL Event Server- for receiving, depositing, and multicasting SHL ...

Keywords: RTP, distance learning, multimedia synchronization

20 Andrew: a distributed personal computing environment



James H. Morris, Mahadev Satyanarayanan, Michael H. Conner, John H. Howard, David S. Rosenthal, F. Donelson Smith

March 1986 Communications of the ACM, Volume 29 Issue 3

Publisher: ACM Press

Full text available: pdf(2.16 M8)

Additional Information: full citation, abstract, references, citings, index

terms, review

The Information Technology Center (ITC), a collaborative effort between IBM and Carnegie-Mellon University, is in the process of creating Andrew, a prototype computing and communication system for universities. This article traces the origins of Andrew, discusses its goals and strategies, and gives an overview of the current status of its implementation and usage.

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